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8	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/084,545	02/25/2002	Sam L. Samuels	AD6799USNA	7978	
	23906	7590 08/09/2005		EXAMINER AUGHENBAUGH, WALTER		
	E I DU PON	NT DE NEMOURS A	ND COMPANY .			
	LEGAL PAT	ENT RECORDS CENT	TER			
	BARLEY M	ILL PLAZA 25/1128		ART UNIT	PAPER NUMBER	
	4417 LANCA	ASTER PIKE		1772		
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Please find below and/or attached an Office communication concerning this application or proceeding.

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		1	Application No.	Applicant(s)	_		
•			10/084,545	SAMUELS ET AL.	•		
	Office Action Summary	E	Examiner	Art Unit	,		
			Walter B. Aughenbaugh	1772			
Period fo	The MAILING DATE of this communicat r Reply	ion appea	ers on the cover sheet with the	correspondence address			
A SHO THE N - Exten after: - If the - If NO - Failur Any re	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA' isions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communical period for reply specified above is less than thirty (30) days period for reply is specified above, the maximum statutor to tee to reply within the set or extended period for reply will, leply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(ation. ys, a reply with y period will above statute, ca	a). In no event, however, may a reply be ithin the statutory minimum of thirty (30) dapply and will expire SIX (6) MONTHS frouse the application to become ABANDON	timely filed ays will be considered timely. m the mailing date of this communication. IED (35 U.S.C. § 133).			
Status			•				
1)	Responsive to communication(s) filed o	n <u>24 June</u>	<u> 2005</u> .				
2a)	This action is FINAL . 2b)	☑ This a	ction is non-final.				
,	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
5)□ 6)⊠ 7)□	Claim(s) 1-17 and 32-38 is/are pending 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) 1-17 and 32-38 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	rithdrawn	from consideration.				
Application	on Papers						
10) 🗌 -	The specification is objected to by the Ex The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the	accep to the dra	awing(s) be held in abeyance. S	ee 37 CFR 1.85(a).			
11) 🔲 -	The oath or declaration is objected to by	the Exar	niner. Note the attached Offic	e Action or form PTO-152.			
Priority u	nder 35 U.S.C. § 119						
a)[Acknowledgment is made of a claim for the All b) Some * c) None of: 1. Certified copies of the priority documents of the priority documents. Copies of the certified copies of the application from the International ee the attached detailed Office action for the certified copies.	uments h uments h ne priority Bureau (l	nave been received. nave been received in Applica documents have been recei PCT Rule 17.2(a)).	ntion No ved in this National Stage			
Attachment	(s)			·			
1) Notice 2) Notice 3) Inform Paper	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO- nation Disclosure Statement(s) (PTO-1449 or PTO No(s)/Mail Date		4) Interview Summar Paper No(s)/Mail 5) Notice of Informal 6) Other:				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 24, 2005 (Amdt. F) has been entered.

Acknowledgement of Applicant's Amendments

2. New claims 36-38 presented in the Amendment filed on June 24, 2005 (Amdt. F) have been received and considered by Examiner.

REPEATED REJECTIONS

Claim Rejections - 35 USC § 103

- 3. The 35 U.S.C. 103(a) rejection of claims 1-9, 11-14 and 17 made of record in paragraph 5 of the previous Office Action mailed November 30, 2004 has been repeated for the reasons previously made of record.
- 4. The 35 U.S.C. 103(a) rejection of claim 10 made of record in paragraph 6 of the previous Office Action mailed November 30, 2004 has been repeated for the reasons previously made of record.
- 5. The 35 U.S.C. 103(a) rejection of claim 15 made of record in paragraph 7 of the previous Office Action mailed November 30, 2004 has been repeated for the reasons previously made of record.

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6. The 35 U.S.C. 103(a) rejection of claim 16 made of record in paragraph 8 of the previous Office Action mailed November 30, 2004 has been repeated for the reasons previously made of record.

7. The 35 U.S.C. 103(a) rejection of claims 32-35 made of record in paragraph 9 of the previous Office Action mailed November 30, 2004 has been repeated for the reasons previously made of record.

NEW REJECTIONS

Claim Rejections - 35 USC § 103

8. Claims 36-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook in view of Fowler et al. and in further view of Campbell et al.

Cook, Fowler et al. and Campbell et al. teach the balloon catheter cover as discussed in paragraph 5 of the previous Office Action mailed November 30, 2004.

In regard to claim 36, Campbell et al. disclose a catheter balloon formed by helically wrapping a porous polyetrafluoroethylene film over a thin porous polyetrafluoroethylene tube (col. 9, lines 65-67) where the porous polyetrafluoroethylene tube has a wall thickness of about 0.10 mm (col. 10, lines 26-28). Therefore, one of ordinary skill in the art would have recognized to have formed the elastic fabric structure of Fowler et al. such that it has a thickness of about 0.10 mm since a thickness of 0.10 mm is a suitable thickness for a layer of a multilayer catheter balloon as taught by Campbell et al.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have formed the elastic fabric structure of Fowler et al. such that it has a thickness

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of about 0.10 mm since a thickness of 0.10 mm is a suitable thickness for a layer of a multilayer catheter balloon as taught by Campbell et al.

In regard to claim 37, Campbell et al. disclose that the minimum diameter after deflation of the catheter balloon formed by helically wrapping a porous polyetrafluoroethylene film over a thin porous polyetrafluoroethylene tube was 1.19 mm (col. 10, lines 55-57). Therefore, one of ordinary skill in the art would have recognized to have formed the balloon catheter cover taught by Cook, Fowler et al. and Campbell et al. such that it has a diameter of about 1.19 mm since a diameter of about 1.19 mm is a well known suitable diameter for a catheter balloon as taught by Campbell et al.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have formed the balloon catheter cover taught by Cook, Fowler et al. and Campbell et al. such that it has a diameter of about 1.19 mm since a diameter of about 1.19 mm is a well known suitable diameter for a catheter balloon as taught by Campbell et al.

In regard to claim 38, Campbell et al. disclose that the catheter balloon formed by helically wrapping a porous polyetrafluoroethylene film over a thin porous polyetrafluoroethylene tube was inflated to a pressure of 6 atm (col. 10, lines 54-55), and therefore that the catheter balloon can withstand 6 atm of internal pressure. Therefore, one of ordinary skill in the art would have recognized to have formed the balloon catheter cover taught by Cook, Fowler et al. and Campbell et al. such that it can withstand 6 atm of internal pressure since 6 atm of internal pressure is an amount of pressure that catheter balloons are well known to be able to withstand as taught by Campbell et al.

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It would have been obvious to one of ordinary skill in the art at the time the invention was made to have formed the balloon catheter cover taught by Cook, Fowler et al. and Campbell et al. such that it can withstand 6 atm of internal pressure since 6 atm of internal pressure is an amount of pressure that catheter balloons are well known to be able to withstand as taught by Campbell et al.

Response to Arguments

9. Applicant's arguments regarding the 35 U.S.C. 103(a) rejection of claim 1 made of record in paragraph 5 of the previous Office Action mailed November 30, 2004 presented on pages 6-9 of Amdt. F have been fully considered but are not persuasive.

Applicant argues at the bottom of page 7 of Amdt. F that the basic principles "under which the Cook and Fowler constructions were designed to operate are NOT the same".

Applicant supports this argument by asserting, without support, that the Cook fabric "allows the fabric to increase in length while being expanded in the radial direction". That the Cook fabric "allows the fabric to increase in length while being expanded in the radial direction" is not taught or suggested by Cook. The teaching of Cook that "an increase in diameter [of the balloon] does not require a decrease in length of the balloon" at col. 3, lines 54-55 is plainly not a teaching that the length of the balloon increases with an increase in diameter of the balloon. Cook explicitly states at col. 3, line 58 that "[b]alloon 12 is therefore of fixed length". Therefore, since the Fowler construction, when expanded radially, "expands much less or not at all in the axial direction" (col. 4, lines 33-37), the basic principle under which the Cook and Fowler constructions were designed to operate are indeed the same. Applicant's speculation in the second full paragraph of page 8 of Amdt. F is unsupported and contradicts Cook's explicit

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teaching at col. 3, line 58 that "[b]alloon 12 is therefore of fixed length" during expansion and contraction. Therefore, the proposed replacement of the Cook fabric with the Fowler fabric does not result in a change in the basic principle under which the Cook construction was designed to operate. Furthermore, if Applicant provides convincing evidence that the balloon of Cook does necessarily expand in the axial direction when expanded radially, note that Fowler also teaches that the balloon expands in the axial direction when expanded radially in the embodiment of Fowler where the balloon "expands much less" in the axial direction than the radial direction when expanded radially (col. 4, lines 33-37).

- 10. Applicant's arguments regarding the 35 U.S.C. 103(a) rejection of claims 2-9, 11-14 and 17 presented on page 9 of Amdt. F have been fully considered but are not persuasive.

 Applicant's arguments depend entirely upon Applicant's arguments regarding the 35 U.S.C. 103(a) rejection of claim 1, which have been addressed above in this Office Action.
- 11. Applicant's arguments regarding the 35 U.S.C. 103(a) rejections of claims 10, 15, 16 and 32-35 presented on page 9 of Amdt. F have been fully considered but are not persuasive.

 Applicant's arguments depend entirely upon Applicant's arguments regarding the 35 U.S.C. 103(a) rejection of claim 1, which have been addressed above in this Office Action.

Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter B. Aughenbaugh whose telephone number is 571-272-1488. The examiner can normally be reached on Monday-Thursday from 9:00am to 6:00pm and on alternate Fridays from 9:00am to 5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon, can be reached on 571-272-1498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Walter B. Aughenbaugh

08/08/05

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SUPERVISORY PATENT EXAMINER

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